ZMQ/Protocol Buffers Windows Installation

# libzmq

1. Download libzmq from github

$ git clone git://github.com/zeromq/libzmq.git

1. Configure, make and make install libzmq (cywgin)

$ ./autogen.sh

$ ./configure

$ make CPPFLAGS='-pedantic -Wall -D\_GNU\_SOURCE -D\_REENTRANT -D\_THREAD\_SAFE -Wno-long-long '

$ make install

# Protocol Buffers

1. Download protocol buffers

Choose: **protobuf-cpp-3.0.0-beta-2.zip**

https://github.com/google/protobuf/releases/tag/v3.0.0-beta-2

Ensure to download the .zip version as the tar.gz doesn’t work due to dos2unix error “./configure: line 16: $'\r': command not found”

1. Configure, make and make install (Cygwin)

$ ./configure

$ make

$ make install

# Compiling Protobuf & libzmq programs

1. Configure and make (Cygwin)

$ PKG\_CONFIG\_PATH=/usr/local/lib/pkgconfig ./configure --with-protobuf-libdir=/usr/local/lib

$ make

*“PKG\_CONFIG\_PATH=/usr/local/lib/pkgconfig* “ – This tells the compiler where to find the libzmq libraries

*“--with-protobuf-libdir=/usr/local/lib”*  – This tells the compiler where to find the protocol buffers libraries